

REMARKS

The present Amendment cancels claims 1-14 and adds new claims 15-26. Therefore, the present application has pending claims 15-26.

From the Office Action it appears that the Examiner did not consider the September 28, 2001 Information Disclosure Statement and the September 30, 2004 Information Disclosure Statement. Copies of said Information Disclosure Statements are attached herewith for consideration by the Examiner. The Examiner is respectfully requested to indicate consideration thereof in the forthcoming Office Action.

Claims 13, 14 stand rejected under 35 USC §112, first paragraph as failing to comply with the enablement requirement; claims 13 and 14 stand rejected under 35 USC §112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regards as their invention; and claims 1-14 stand rejected under 35 USC §103(a) as being unpatentable over Kirsten (U.S. Patent No. 5,724,475). As indicated above, claims 1-14 were canceled. Therefore, these rejections are rendered moot. Accordingly, reconsideration and withdrawal of these rejections is respectfully requested.

The present Amendment adds new claims 15-26. New claims 15-26 are directed to an object detecting method and apparatus which implement a frame subtraction by executing frame subtraction processing between an input image from image input means and respective ones of a plurality of images each having a different time interval with respect to the input image and synthesizing by adding together differential data obtained by the frame subtraction processing based on

coefficients which are set for respective ones of predetermined regions of the image so as to detect an image based on data obtained from the synthesizing.

The above described features of the present invention are not taught or suggested by any of the references of record, particularly Kirsten, whether taken individually or in combination with each other.

Kirsten discloses the detecting of a moving object in a series of images by first determining differences between each sequential pair of images and then sending the differential images. However, this teaching of Kirsten does not anticipate nor render obvious the features of the present invention as now more clearly recited in new claims 15-26. New claims 15-26 recite, for example, a frame subtraction processing and a synthesizing processing to be performed in a manner such that a plurality of inter-frame differential data are added together and are set for each region prior to executing the object detection processing. Such features are clearly not taught or suggested by Kirsten.

In addition, according to the present invention, the frame subtraction processing is executed for each one of a predetermined number of regions of an image with a frame time interval changed from region to region and an object is detected based on the differential data obtained from the frame subtraction processing. Such features are also not taught or suggested by Kirsten.

Thus, the features of the present invention as recited in new claims 15-26 are not taught or suggested by any of the references of record particularly Kirsten whether taken individually or in combination with each other.

Therefore, Applicants submit that the features of the present invention as now recited in claims 15-26 are not anticipated nor rendered obvious by any of the references of record whether taken individually or in combination with each other.

In view of the foregoing amendments and remarks, applicants submit that the present application is now in condition for allowance based on claims 15-26.

Accordingly, early allowance of claims 15-26 is respectfully requested.

To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.40713X00).

Respectfully submitted,

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